

### **Amendments to the Claims:**

This listing of claims will replace all prior versions and listing of claims in the application.

Claim 1 is amended.

Claim 5 is new.

### **Listing of Claims:**

1. (Currently Amended) A control method ~~of~~ for a system having a rotary storage medium and external parts, said rotary storage medium having a pair of layers, one of the pair of layers being used as an information recording portion and having mounted in one piece an electronic circuit, including at least a microprocessor, a recordable or recorded surface, said recordable or recorded surface being structured to record essential information on the operation of the system, and another of the pair of layers being used as an electronic circuit portion and having electronic circuits including at least CPU and memory, the control method ~~of a rotary storage medium~~ comprising the steps of:  
a step of rotating the rotary storage medium ~~at the time of~~ when ~~accessing to an~~ said essential information to the operation of the system on the recordable or recorded surface of said information recording ~~surface~~ portion of the rotary storage medium; and

a step of stopping the rotary storage medium except ~~the time of~~ when ~~accessing to an~~ at least some of said essential information recording ~~surface of the rotary storage medium~~ to the operation of the system, to connect between at least one of said electronic circuits ~~to an external~~ and at least one of said external parts of the system and process data including said essential information using said at least CPU and memory for control of the system.

2. (Original) The control method of a rotary storage medium according to claim 1, wherein access requests to said information recording surface are queued, and when an access request essential to system operation occurs, the queue requests are executed in a batch mode.
3. (Original) The control method of a rotary storage medium according to claim 1, wherein connection between said electronic circuit and said external system is a bus connection in a contact type or a non-contact type.
4. (Original) An intelligent disk system including a storage medium having double-surface structure that stores information and is detachable from a drive unit, wherein an electronic circuit is mounted on at least one surface or between both surfaces of said storage medium and the electronic circuit is provided with at least a microprocessor, and having control means for controlling said storage medium so that contents of information recording surfaces of said storage medium may be transferred to or loaded in an external apparatus at the time of said storage medium rotating or mechanically operating and said microprocessor may control said external apparatus when the storage medium is not operating.
5. (New) An intelligent disk system, comprising:  
a rotary disk having a pair of layers, one of the pair of layers being used as an information recording portion and having a recordable or recorded surface, said recordable or recorded surface recording essential information to the operation of the

system, another of the pair of layers being used as an electronic circuit portion and having electronic circuits including at least CPU and memory; and external parts of the system including a disk drive unit for said disk and means for controlling said disk drive unit; wherein said controlling means cause said disk drive unit to rotate said disk when accessing said essential information to the operation of the system, and to stop said disk from rotating except when accessing at least some of said essential information so as to allow connection between at least one of said electronic circuits and at least one of said external parts of the system and processing data including said essential information using said at least CPU and memory for control of the system.